

## CLAIMS

1. Beam attachment system (1) comprising:
  - two posts (5, 5a, 5b);
  - 5 - a beam (3, 3a, 3b); and
  - at least one beam tie (9, 9a, 9b);
 the posts being stressed by the beam pushing them apart (3, 3a, 3b) and stressed by the beam tie (9, 9a, 9b) pulling them together.
- 10 2. The attachment system (1) according to claim 1, in which the beam (3, 3a, 3b) is connected to the beam tie (9, 9a, 9b).
- 15 3. The attachment system (1) according to claim 2, in which the beam (3, 3a, 3b) and the beam tie (9, 9a, 9b) are mounted with sliding relative to each other according to a finite sliding portion.
4. The attachment system (1) according to claim 3, in which sleeves (43, 45) mounted on the beam tie (9, 9a, 9b) delimit the finite sliding portion.
- 20 5. The attachment system (1) according to any one of claims 2 to 4, in which the beam (3, 3a, 3b) comprises at least two lateral parts (3G, 3D) between which a beam tie passage (15) is formed.
- 25 6. The attachment system (1) according to any one of claims 2 to 5, in which the beam (3, 3a, 3b) is supported by the beam tie (9, 9a, 9b).
7. The attachment system (1) according to any one of claims 2 to 6, in which the beam (3, 3a, 3b) comprises several longitudinal segments (31, 32, 33).
- 30 8. The attachment system (1) according to any one of claims 2 to 7, in each of the posts (5, 5a, 5b) is connected to the beam (3, 3a, 3b) by means of a connecting rod (13a, 13b), the connecting rod being articulated on the one hand on the post (5, 5a, 5b) which it connects to the beam and on the other hand on the beam (3, 3a, 3b).
- 35 9. The attachment system (1) according to any one of the preceding claims, in which one of the posts (5, 5a, 5b) is an edge post (14).

10. The attachment system (1) according to any one of the preceding claims, in which the beam (3, 3a, 3b) comprises a glued-laminated material and/or a welded reconstituted steel section.